

Chapter Eight

Implementation

The Climate Action Plan includes an ambitious, three-stage program of actions for reducing greenhouse gas emissions:

- ≈ 58 short-term actions (1-3 years from CAP adoption)
- ≈ 17 medium-term actions (3-5 years from adoption)
- ≈ 8 long-term actions (5-10 years from adoption)

Some of the implementation actions are mandated by other regulatory bodies (e.g. SW-R1, which requires implementation of mandatory commercial recycling) and/or are part of ongoing programs (e.g. W-C1, which is a state requirement for implementation of the City's *Water Efficient Landscape Ordinance*, occurring during the development review process). Other actions are new to the City, and will require staff to develop implementation process and programs never before undertaken. Table 8-1 is a summary of all actions for reducing greenhouse gas emissions included in the CAP.

It is important to note that staff resources are limited, so it will be critical to pursue opportunities to leverage both outside funding and the efforts of other agencies in order to implement as many actions as possible.

It is also important to note that ongoing administration of the Climate Action Plan program will involve other staff work efforts in addition to the actions listed in the implementation program. For example, the General Plan calls for an update of the Climate Action Plan every five years. Also, periodic updates of the emissions inventory for both the community and municipal operations will be prepared.

As stated in other chapters, staff will collaborate with stakeholders when working on actions, especially those which may result in new local regulations.

Table 8-1 Implementation Table of Actions for Reducing Greenhouse Gas Emissions

Short-term Actions 1-3 Years from Plan Adoption

Note: Abbreviations in the numbering system refer to the following proposed approaches to implementation actions:

A - Advocate

C - Collaborate/participate

P - Promote/encourage

R - Regulate

M - Municipal (City-initiated policy directive)

Land Use and Mobility

Advocate

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|------|---|
| L-A1 | Apply transit-oriented development principles in certain locations. |
| L-A2 | Continue implementation of Pedestrian Master Plan. |
| L-A3 | Continue implementation of Bicycle Master Plan. |

Collaborate/Participate

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|------|---|
| L-C1 | Cooperate on network of fuel stations for alternative fuel vehicles. |
| L-C2 | Collaborate on disseminating information on “Just Check It” tire inflation program. |

Promote/Encourage

- L-P1 Encourage provision of amenities to enable walking and bicycle use.

Regulate

- L-R1 Require preferential parking for carpools.
- L-R2 Require Transportation Demand Management strategies.
- L-R3 Require minimum of five feet in width for new sidewalks.
- L-R4 Require private schools to manage vehicular movement, parking and idling.
- L-R5 Prohibit lower-intensity land uses in transit-oriented and other areas.
- L-R6 Consider requirements for pre-wiring for electric vehicle charging in new homes.
- L-R7 Require pedestrian, bicycle and transit amenities, where applicable, in new developments

Energy

Advocate

- E-A1 Consider adopting Green Building requirements for commercial buildings.
- E-A2 Utilize PG&E programs for weatherizing homes of low-income households.
- E-A3 Utilize existing funding programs to achieve energy efficiency improvements in buildings.

Collaborate/Participate

- E-C1 Participate in “Energy Upgrade Alameda County” to promote residential building retrofits.

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E-C2 Continue CYES program for energy/water audits and distribution of energy efficient lighting.

E-C3 Continue CYES program for energy/water audits and distribution of water-saving devices.

E-C4 Continue to partner PG&E to offer energy efficiency programs for commercial buildings.

Promote/Encourage

E-P1 Encourage energy-efficient lighting for private streets and parking lots.

E-P2 Promote tree planting throughout the City.

Regulate

E-R1 Consider requirements for pre-wiring for renewable on-site power generation systems.

E-R2 Eliminate local regulatory barriers to installation of distributed renewable energy systems.

Solid Waste

Advocate

SW-A1 Support Extended Producer Responsibility legislation and processes.

SW-A2 Support legislation that reduces waste and litter from single-use disposable items.

SW-A3 Increase the number of Certified Green Businesses each year.

SW-A4 Encourage large waste-generating businesses to get a free waste audit from the City.

SW-A5 Increase amount of construction and demolition debris recycled from private-sector projects.

- SW-A6 Support new technologies to improve waste reduction, recycling and resource recovery.

Collaborate/Participate

- SW-C1 Work with Waste Management to capture and recover methane gas as an energy source.
- SW-C2 Partner with CYES to provide information on recycling and composting during energy audits.

Regulate

- SW-R1 Implement commercial recycling by July 1, 2012.
- SW-R2 Comply with CalGreen's requirement for new residential to recycle 65% of materials.
- SW-R3 Require recycling as condition of permit issuance for special events.

Water

Advocate

- W-A1 Continue CYES program for energy/water audits and distribution of water-saving devices.

Collaborate/Participate

- W-C1 Continue implementing the Water Efficient Landscape Ordinance for private development.
- W-C2 Collaborate with ACWD to implement water conservation and reclamation programs.

Promote/Encourage

- W-P1 Encourage use of on-site recycled water systems ("greywater systems").

Municipal Services and Operations

The actions listed below will be initiated by the City of Fremont

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|-----|--|
| M1 | Continue replacing gas and diesel-powered fleet vehicles with alternative fuel vehicles. |
| M2 | Install charging and refueling stations to service the city's fleet of alternative fuel vehicles. |
| M3 | Educate and encourage city staff to limit idling when using city vehicles. |
| M4 | Replace public street and parking lot lights with energy-efficient alternatives. |
| M5 | Add criterion t addressing potential for projects to reduce GHG emissions. |
| M6 | Add criterion to Operating Budget addressing potential for purchases to reduce GHG emissions. |
| M7 | Advertise the city's incentives and subsidies for 'green commuting' during recruitments. |
| M8 | Provide preferential parking and other benefits for employee carpools and alternative fuel vehicles. |
| M9 | Provide amenities at City facilities to promote bicycle use by employees and visitors. |
| M10 | Increase the amount of recycling and composting at City facilities. |
| M11 | Increase construction and demolition debris recycled from public-sector projects. |
| M12 | Enhance and expand waste reduction policies and programs for City facilities. |
| M13 | Discourage purchase of water and other beverages in single-use, disposable containers. |

- M14 Increase the use of recycled-content products at City facilities.
- M15 Enhance and expand the computer-controlled irrigation system in the city's park system.
- M16 Continue replacing gas/diesel-powered fleet vehicles with alternative fuel vehicles.
- M17 Replace inefficient water and wastewater motors and pumps with energy-efficient models.
- M18 Continue implementing Bay-Friendly landscaping requirements for certain civic projects.
- M19 Evaluate the potential for providing renewable energy systems at City facilities.

Medium-Term Actions: 3-5 years from Plan Adoption

Land Use and Mobility

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| L-C3 | Collaborate to provide information and access to incentives/services for 'green commuting' |
| L-C4 | Partner with regional agencies to facilitate car-sharing, carpooling and other 'green' commutes. |
| L-P2 | Encourage employers to provide programs, facilities, and/or subsidies to reduce peak-hour trips. |
| L-R8 | Adopt regulations restricting locations of drive-through business to reduce idling impacts. |

Energy

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|------|---|
| E-A4 | Consider establishing 'energy budgets' for residential buildings. |
| E-C5 | Work with PG&E on a public campaign about reducing energy use. |
| E-P3 | Encourage businesses to replace gas-powered gardening equipment with electric equipment. |
| E-R3 | With each successive State energy code update, adopt a local ordinance for residential buildings exceeding State's minimum standards. |
| E-R4 | Develop performance standards for exterior lighting of commercial and industrial projects. |
| E-R5 | Consider adoption of a Residential Energy Conservation Ordinance. |

Solid Waste

- SW-A7 Increase recovery of organic materials from commercial and residential sectors to 75%.
- SW-A8 Increase recovery of recyclable materials from commercial and residential sectors to 75%.

Water

- W-R1 Consider adoption of a Residential Energy Conservation Ordinance.

Municipal Services and Operations

The actions listed below will be initiated by the City of Fremont

- M20 Expand employee incentives for choosing alternatives to commuting alone in a car.
- M21 Evaluate potential for setting GHG reduction targets for services contracted by the City.
- M22 Include provision in next contract with the City's solid waste collector to use alternative fuel vehicles.
- M23 Evaluate and use new paving technologies which reduce GHGs for streets and parking lots.

Long-term Actions: 5-10 Years from Plan Adoption

Land Use and Mobility

- L-C5 Partner with public and private institutions to address vehicle idling at drop-off locations.
- L-C6 Partner with BART, local hospitals etc. to address vehicle idling at their facilities.

Solid Waste

- SW-A9 Increase recovery of organic materials from commercial and residential sectors to 90%.
- SW-A10 Increase recovery of recyclable materials from commercial and residential sectors to 90%.

Water

- W-C3 Collaborate with ACWD re. water conservation retrofits in existing buildings.
- W-C4 Collaborate with ACWD and USD to support use of recycled water.
- W-C5 Support process for permitting, registration, and inspection of greywater systems by the City.
- W-C6 Consult with ACWD concerning policies and regulations supporting the use of water conserving strategies.